

Presentation Abstract

Session Title: Improving Quantitative Information for the California Water Plan

Moderator: Rich Juricich, California Department of Water Resources, Statewide Planning Branch

Disaggregation of Water Management Detail in a Model of the Sacramento Valley

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An application of the WEAP model to the Sacramento Valley, which included complete integration of hydrologic and water management elements of the system was applied with two different levels of aggregation of water management activity in the Stone Corral HUC (Glenn and Colusa counties). The more disaggregated version split a single computational unit into 11 sub-units. The logic behind this disaggregation and the implications of the disaggregation on water deliveries and groundwater pumping was investigated and found to be significant. NHI is currently working collaboratively with the California Department of Water Resources to evaluate the use of WEAP to study climate change for the next California Water Plan.